

## Volume contents

### Volume 102 (1999)

<i>Preface</i> . . . . .	1
A.L. Weis (USA) <i>New approaches to synthesis of stereospecific sphingomyelin</i> . . . . .	3
J.P. Slotte (Finland) <i>Sphingomyelin-cholesterol interactions in biological and model membranes</i> . . . . .	13
Y. Barenholz, T.E. Thompson (Israel, USA) <i>Sphingomyelin: biophysical aspects</i> . . . . .	29
K. Ferlinz, T. Linke, O. Bartelsen, M. Weiler, K. Sandhoff (Germany) <i>Stimulation of lysosomal sphingomyelin degradation by sphingolipid activator proteins</i> . . . . .	35
S. Gatt (Israel) <i>Studies of sphingomyelin and sphingomyelinases</i> . . . . .	45
R.E. Pagano, R. Watanabe, C. Wheatley, C.-S. Chen (USA) <i>Use of N-[5-(5,7-dimethyl boron dipyrromethene difluoride)-sphingomyelin to study membrane traffic along the endocytic pathway</i> . . . . .	55
D. Samet (Glick), Y. Barenholz (Israel) <i>Characterization of acidic and neutral sphingomyelinase activities in crude extracts of HL-60 cells</i> . . . . .	65
S. Chatterjee (USA) <i>Neutral sphingomyelinase: past, present and future</i> . . . . .	79
Å. Nilsson, R.-D. Duan (Sweden) <i>Alkaline sphingomyelinases and ceramidases of the gastrointestinal tract</i> . . . . .	97
W. Stoffel (Germany) <i>Functional analysis of acid and neutral sphingomyelinases in vitro and in vivo</i> . . . . .	107
I. Tabas (USA) <i>Secretory sphingomyelinase</i> . . . . .	123
A.H. Merrill, Jr., M. Nikolova-Karakashian, E.M. Schmelz, E.T. Morgan, J. Stewart (USA) <i>Regulation of cytochrome P450 expression by sphingolipids</i> . . . . .	131
H. Sawai, Y.A. Hannun (USA, Japan) <i>Ceramide and sphingomyelinases in the regulation of stress responses</i> . . . . .	141
J.L. Tilly, R.N. Kolesnick (USA) <i>Sphingolipid signaling in gonadal development and function</i> . . . . .	149
M. Krönke (Germany) <i>Involvement of sphingomyelinases in TNF signaling pathways</i> . . . . .	157
T. Levade, N. Andrieu-Abadie, B. Ségué, N. Augé, M. Chatelut, J.-P. Jaffrèzou, R. Salvayre (France) <i>Sphingomyelin-degrading pathways in human cells: Role in cell signalling</i> . . . . .	167
E.H. Schuchman (USA) <i>Hematopoietic stem cell gene therapy for Niemann-Pick disease and other lysosomal storage diseases</i> . . . . .	179
Author Index-Volume 102 . . . . .	189
Subject Index-Volume 102 . . . . .	191
Contents-Volume 102 . . . . .	195